

WHAT IS CLAIMED IS:

1. An apparatus for winding a continuously oncoming film web (1) onto successively deliverable winding tubes, including a rotatably drivable contact roller (2) for delivering the film web (1) in a feeding direction, and as associated with the contact roller (2) the apparatus comprising:

a winding station (II) for a first winding tube (30), located in the winding station (II), for winding the film web (1) into a coil (100);

a winding preparation station (III) for receiving a second winding tube (3) which upon a change of winding tubes replaces the first winding tube (30) wound with the coil (100) of the film web (1) in the winding station (II);

a transverse-cutting device (4) for cutting the film web (1) crosswise in a region between the winding station (II) and the winding preparation station (III);

upon a change of the winding tubes, the winding tube bearing the coil removable from the winding station (II), the transverse-cutting device (4) for cutting the film web (1) crosswise transferable from a position of repose into a working position, and upon severing of the film web (1), a leading end (10) of the trailing film web (1) being formed, the formed leading end (10) of the film web (1) deliverable to the second winding tube (3) located in the winding preparation station (III) and wound onto the second winding tube (3), and the new winding tube (3) after receiving the leading end (10) of the film web (1) being transferable from the winding preparation station (III) into the winding station (II); and

downstream with respect to the feeding direction of the film web (1) guided via the contact roller (2), of the winding preparation station (III) receiving the second winding tube (3), a charger (6) and a blower device (7) being disposed, and with the charger (6) the second winding tube (3) formed of an electrically

nonconductive material electrostatically chargeable, and with the blower device (7) an air stream (L) acting in a second region between a surface of the contact roller (2) and a side toward the contact roller (2) of the leading end (10) of the film web (1) being generated counter to the feeding direction of the film web (1) and counter to a direction of rotation of the contact roller (2), and the end (10) of the film web (1) being lifted from the surface of the contact roller (2) and guided to the second winding tube (3).

2. The winding apparatus of claim 1, wherein the air stream (L) from the blower device (7) is carried at a tangent to the surface of the contact roller (2).

3. The winding apparatus of claim 2, wherein the charger (6) is formed by a charging electrode that extends transversely over an entire width of the winding tube (3).

4. The winding apparatus of claim 3, wherein the blower device (7) has a plurality of blower nozzles (72) disposed over the entire width of the winding tube (3).

5. The winding apparatus of claim 4, wherein upon a change of the winding tubes at least one of the blower device (7) and the charger (6) movable out of a position of repose into a working position and after an end of the change of the winding tubes is movable back to the position of repose.

6. The winding apparatus of claim 5, wherein the charger (6) is acted upon by an electrical potential of up to 40 kV.

7. The winding apparatus of claim 6, wherein the contact roller (2) is selectively driven with a variable direction of rotation.

8. The winding apparatus of claim 1, wherein the charger (6) is formed by a charging electrode that extends transversely over an entire width of the winding tube (3).

9. The winding apparatus of claim 1, wherein the blower device (7) has a plurality of blower nozzles (72) disposed over the entire width of the winding tube (3).

10. The winding apparatus of claim 1, wherein upon a change of the winding tubes at least one of the blower device (7) and the charger (6) movable out of a position of repose into a working position and after an end of the change of the winding tubes is movable back to the position of repose.

11. The winding apparatus of claim 1, wherein the charger (6) is acted upon by an electrical potential of up to 40 kV.

12. The winding apparatus of claim 1, wherein the contact roller (2) is selectively driven with a variable direction of rotation.

13. A method for winding a continuously delivered film web (1) onto successively delivered winding tubes (3) into a coil (100) and performing a change of the winding tubes for replacing a first winding tube (30) wound with a coil, with a second winding tube (3), having a winding apparatus with a contact roller (2) by which the film web (1) is delivered and transferred to the second winding tube (3) rolling on the contact roller (2) and wound up into the coil (100), and having a transverse-cutting device (4) for severing the film web (1), forming a leading end (10) of the trailing cut-off film web (1) for application onto the second winding tube (3), and having a delivery device (5) for delivering the second winding tube (3), for replacing the first winding tube (30) wound with the coil (100) when the winding tubes are changed, wherein the second winding tube (3) is placed on the contact roller (2) forming a contact gap (S), and the film web (1) is severed one of before passing through the contact gap (S) and after passing through the contact gap (S), and the leading end (10) of the film web (1) formed upon severing of the film web (1) is received by the second winding tube (3), the method comprising: the second winding tube (3) formed of an electrically nonconductive material, the second winding tube (3) electrostatically charged, the leading end (10) of the film web (1) deflected from the contact roller (2) in a direction of a circumference of the second winding tube (3) by blown air oriented counter to a feeding direction of the film web (1) and counter to a direction of rotation of the contact roller (2), and the blown air being blown into a region between a surface of the contact roller (2) and a side toward the contact roller (2) of the leading end (10) of the film web (1).

14. The method of claim 13, wherein for performing a change of the winding tubes, the transverse-cutting device (4) is moved into a position between a winding preparation station (III) and a winding station (II); the second winding tube (3) is brought into the winding preparation station (III) by the delivery device (5), and the second winding tube (3) before being set down in the winding preparation station (III) is set into rotary motion (D2) on the contact roller (2), and a charger (6) is activated for a duration of at least one revolution of the second winding tube (3); an electrostatic charging of the surface of the second winding tube (3) is effected, and then the second winding tube (3) is placed on the contact roller (2), forming the contact gap (S); the transverse-cutting device (4) is then activated and by the transverse-cutting knife (41), the film web (1) is severed, and simultaneously with the crosswise cutting of the film web (1), the blower device (7) is activated and an air stream (L) is generated; the leading end (10) of the trailing film web (1) which end is formed in the transverse-cutting device (4) is lifted from the surface of the contact roller (2) by the air stream (L) and is guided by the static charge to the second winding tube (3) and wound up; the winding tube (30) wound with the coil (100) is removed from the winding station (II), and then the second winding tube (3) with the wound end (10) of the film web (1) is transferred from the winding preparation station (III) into the winding station (II) for winding a new coil.